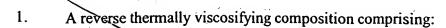
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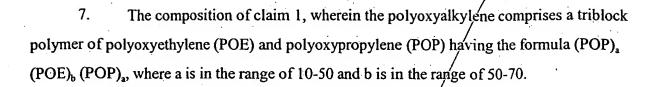


a linear block copolymer, wherein at least a first block comprises a polyoxyalkylene having a hydrophobic region and a hydrophobic region, said polyoxyalkylene capable of aggregation in solution, and at least a second block comprises a biocompatible polymer or oligomer, dispersed in an aqueous medium, said composition characterized in that it viscosifies in response to an environmental stimulus.

- 2. The composition of claim 1, wherein said polyoxyalkylene comprises poloxyethylene and polyoxypropylene.
- 3. The composition of claim 1, wherein said polyoxyalkylene comprises an alkyl poloxamer of the formula, $R-(CH_2CH_2)_nO$, where R is an alkylene or arylalkylene moiety and n is in the range of 5 to 100.
- 4. The composition of claim 1, wherein the biocompatible polymer or oligomer is a bioadhesive or mucoadhesive
- 5. The composition of alaim 1, wherein the biocompatible polymer or oligomer comprises a poly(vinylcarboxylic acid) and derivatives thereof.
- 6. The composition of claim 5, wherein the poly(vinylcarboxylic acid) is selected from the group consisting of acrylic acid, substituted acrylic acid, methacrylic acid, substituted methacrylic acids, acids, and ionized forms thereof.

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- 8. The composition of claim 1, wherein the viscosification occurs at a temperature in the range of about 22 to 40°C.
 - 9. The composition of claim 1, wherein the viscosification occurs at a temperature in the range of about 30 to 37°C.
 - 10. A block copolymer, comprising:

at least one polymer or oligomer block including a polyoxyalkylene; and

at least one block comprises a biocompatible polymer or oligomer, wherein said block polymer is a linear block copolymer.

11. The block copolymer of claim 10, having the formula selected from the group consisting of:

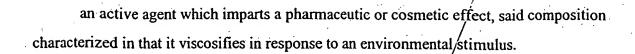
(CH₂CHR)_n-Q-(CH₂CH₂O)_x(CH₂CH(CH₃)O)_y(CH₂CH₂O)_x-Q-(CH₂CHR)_m, where Q is a C-C, C-O, C(O)-NH, S-C, C(O)-O functionality and the like, R is a carboxyl, and n, m, x and y, are independently selected and in the range of 1 and 1000.

12. A pharmaceutical composition, comprising:

a reverse/thermally viscosifying composition including a linear block copolymer, wherein at least one block comprises a poloxamer; and at least one block comprises a biocompatible polymer or oligomer, in an aqueous medium; and

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- 13. The composition of claim 1 or 12, wherein the reversibly gelling composition is present in an amount in the range of about 0.01 to 20 wt%.
- 14. The pharmaceutic composition of claim/1 or 12, wherein the reversibly gelling composition is present in an amount in the range of about 0.1 to 10 wt%.
- 15. The pharmaceutic composition of claim 12, wherein the reverse thermal viscosifying composition is present in a concentration in the range of 0.01-1 wt% of total pharmaceutical composition.
- 16. The pharmaceutical composition of claim 12, wherein said composition further comprises a pharmaceutic agent selected from the group consisting of humectants and emollients.
- 17. The pharmaceutic composition of claim 12, wherein the pharmaceutic composition takes a form selected from the group consisting of lotions, creams, sticks, roll-on formulations, sprays, aerosols, pad-applied formulations and masks.
- 18. The pharmaceutic composition of claim 12, wherein the pharmaceutical agent is absorbable through kin or mucosal membranes.

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- 19. The composition of claim 1 or 12, wherein the aqueous-based medium is selected from the group consisting of water, salt solutions and water with water-miscible organic compound(s).
- 20. The pharmaceutic composition of claim 12, wherein the pharmaceutical agent is absorbable through vaginal mucosal membrane.
- 21. The pharmaceutic composition of claim 12, wherein the pharmaceutical agent is absorbable through nasal mucosal membrane.
- 22. The pharmaceutic composition of claim 12, wherein the pharmaceutical agent is absorbable through rectal mucosal membrane.
- 23. The pharmaceutic composition of claim 12, wherein the pharmaceutical agent is absorbable through otic mucosal membrane.
- 24. The pharmaceutic composition of claim 12, wherein the pharmaceutical agent is absorbable through ophthalmic mucosal membrane.
- 25. The pharmaceutic composition of claim 12, wherein the pharmaceutical agent is absorbable through esophageal mucosal membrane.
 - 26. The pharmaceutic composition of claim 12, wherein the pharmaceutical agent is absorbable through oral cavity membrane.

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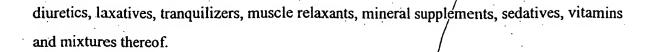
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- 27. The pharmaceutic composition of claim 23, wherein the pharmaceutically active agent is selected from the group consisting of miotics, sympathomimetrics, beta-blockers, prostaglandin derivatives, muscarinic antagonists, anti-infectives and carbonic anhydrase inhibitors.
- 28. The pharmaceutic composition of claim 12/further comprising acceptable antioxidants.
- 29. The pharmaceutic composition of claim 12, further comprising isotonizing agents.
 - 30. The pharmaceutic composition of claim 12, further comprising a buffer.
 - 31. The pharmaceutic composition of claim 12, further comprising preservative.
 - 32. The pharmaceutic composition of claim 20, wherein the pharmaceutically active agent is selected from the group consisting of natural and synthetic hormones, antifungals, contraceptives, anti-yeast agents, steroids, moisturizers, spermicides, anti-virals, analgesics and anaesthetics.
 - The pharmaceutic composition of claim 12, wherein the pharmaceutically active agent is selected from the group consisting of anti-ulcer agents, sucralfate, H2-blocking agents, antipyretics, analgesics, antacids, antiflatulents, anticonvulsants, antidiarrheals, antifungals, anihypertensives, antihistimines, antiprutitics, antiinfectives, antinauseants, antireflux agents, antispasmodics, contraceptives, hormonals, steroids, cough/cold remedies,

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- 34. The pharmaceutic composition of claim 33, further comprising flavoring.
- The pharmaceutic composition of claim 21 or 23, wherein the pharmaceutical 35. composition is applied in the form of drops.
- The pharmaceutic composition of claim 21, wherein the pharmaceutical 36. composition is applied as a spray.
- 37. The pharmaceutic composition of claim 21, wherein the pharmaceutically active agent is selected from the group consisting of decongestants, antihistamines, antiosteoporosis agents, hormones, antipeoplastic agents, Parkinsonism drugs and vaccines.
- 38. The pharmaceutic composition of claim 12, wherein the reversible thermal viscosifying composition is incorporated into a tablet for oral administration.
- 39. The pharmaceutic composition of claim 12, wherein the pharmaceutic composition is injectable.
 - 40. The pharmaceutic composition of claim 16, wherein the pharmaceutically active agent is selected from the group consisting of anti-ulcer agents, sucralfate, H2-blocking agents, antipyretics, analgesics, antacids, antiflatulents, anticonvulsants, antidiarrheals, antifungals, anihypertensives, antihistimines, antiprutitics, antiinfectives, antinauseants,

antireflux agents, antispasmodics, contraceptives, hormonals, steroids, cough/cold remedies, diuretics, laxatives, tranquilizers, muscle relaxants, mineral supplements, sedatives, vitamins and mixtures thereof; and

further comprising flavoring.

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